## **Amendments to the Claims**

Claim 1-5 (Cancelled).

Claim 6 (Currently amended): A method of forming a pattern in a low-k dielectric material, comprising:

providing a semiconductor substrate having a low-k dielectric material thereover , wherein the semiconductor substrate has an optical alignment pattern supported thereby;

providing a mold having a first pattern comprising projections and valleys between the projections wherein, the mold comprises a region through which the optical alignment pattern can be viewed during an alignment of the mold and substrate relative to one another;

aligning the mold and substrate relative to one another before the pressing;

pressing the low-k dielectric material between the mold and the semiconductor substrate to form a second pattern in the low-k dielectric material, the second pattern being substantially complementary to the first pattern; and

removing the mold from over the low-k dielectric material.

Claim 7 (Original): The method of claim 6 wherein the mold comprises a siloxane composition.

Claim 8 (Original): The method of claim 6 wherein the mold comprises a silicone composition.

Claim 9 (Cancelled)

Claim 10 (Currently amended): The method of claim 6 further comprising aligning the mold and substrate relative to one another before the pressing, and wherein: one, one of the semiconductor substrate and the mold has a pin associated therewith during the aligning; the other of the semiconductor substrate and the mold has a receptacle associated therewith during the aligning; and the aligning comprises mating the pin within the receptacle.

Claim 11 (Original): The method of claim 6 wherein the second pattern comprises openings extending through the low-k dielectric material, and further comprising forming a conductive material within the openings.

Claim 12 (Original): The method of claim 11 further comprising forming a redistribution layer within the openings of the second pattern.

Claim 13 (Original): The method of claim 6 wherein the second pattern comprises shallow trenches within the low-k dielectric material and deep openings through the low-k dielectric material, and further comprising forming a conductive material within the trenches and openings.

Claim 14 (Original): The method of claim 13 wherein the conductive material within the trenches and openings corresponds to at least a portion of a redistribution layer.

Claim 15 (Currently amended): A method of forming a pattern in a mass provided over a patterned material on a semiconductor wafer comprising:

providing a mold having a complement of the pattern formed in the mass thereon; and

providing a first alignment article associated with the patterned material and a second alignment article associated with the mold; and

pressing the mold into the mass, wherein the first and second alignment articles are aligned relative to one another during the pressing of the mold into the mass.

Claim 16 (Original): The method of claim 15 wherein the mass does not consist essentially of photoresist.

Claim 17 (Original): The method of claim 15 wherein the mass does not comprise photoresist.

Claim 18 (Cancelled).

Claim 19 (Original): A method of forming a mold, comprising:

providing a template having a complement of a desired mold pattern there over, the template being approximately the size of a semiconductor wafer and the desired mold pattern being a pattern utilized for contact lithography during semiconductor processing;

providing a sheet having holes extending there through;

providing a mold material precursor between the sheet and the template;

pressing the mold material precursor between the sheet and the template;

curing the mold material precursor during the pressing to convert the precursor to a mold material having the desired mold pattern; the mold material penetrating through the openings in the sheet and being joined with the sheet to define a mold

removing the mold from the template.

comprising the mold material and the sheet; and

Claim 20 (Original): The method of claim 19 wherein the pressing and curing comprise hot isostatic pressing of the mold material precursor.

Claim 21 (Original): The method of claim 19 wherein the mold material is a thermoplastic material.

Claim 22 (Original): The method of claim 19 wherein the cured mold material is a semi-solid material.

Claim 23 (Original): The method of claim 19 wherein the cured mold material is a silicone rubber.

Claim 24 (Original): The method of claim 19 wherein the sheet comprises a substantially rigid material.

Claim 25 (Original): The method of claim 19 wherein the sheet material is a metallic material.

Claim 26 (Original): The method of claim 19 wherein the sheet comprises spring steel.

Claim 27 (Original): The method of claim 19 wherein the template has a first alignment article associated therewith, the sheet has a second alignment article associated therewith, and further comprising aligning the first and second alignment articles relative to one another before the pressing.

Claim 28 (Original): The method of claim 27 wherein one of the first and second alignment articles is a pin and the other of the first and second alignment articles is a receptacle; and wherein the aligning comprises mating the pin within the receptacle.

Claim 29 (Original): The method of claim 27 wherein the template is shaped substantially identically to a semiconductor wafer; wherein the template is provided within a holder prior to the pressing, and wherein the first alignment article is part of the holder.

Claim 30 (Original): The method of claim 27 wherein the template is a semiconductor wafer; wherein the template is provided within a holder prior to the pressing, and wherein the first alignment article is part of the holder.

Claim 31 (Original): The method of claim 27 further comprising utilizing the mold to form a pattern in a material across a semiconductor wafer.

Claim 32 (Original): The method of claim 27 further comprising utilizing the mold for contact lithography of a mass across a semiconductor wafer; the method including:

providing a semiconductor wafer having a mass there over, the wafer having a third alignment article associated therewith;

aligning the second alignment article with the third alignment article; and after aligning the second and third alignment articles with one another, pressing the mold relative to the mass to form a reverse image of at least a portion of the mold pattern within the mass.

Claim 33 (Original): The method of claim 32 wherein the semiconductor wafer is provided within a holder prior to the pressing, and wherein the third alignment article is part of the holder.

Claim 34 (Original): The method of claim 32 wherein one of the second and third alignment articles is a pin and the other of the second and third alignment articles is a receptacle; and wherein the aligning comprises mating the pin within the receptacle.

Claim 35 (Original): The method of claim 32 wherein the third alignment article is a first optical pattern, and is supported by the semiconductor wafer; wherein the mold comprises a substantially transparent portion and a second optical pattern within the substantially transparent portion; and wherein the aligning comprises aligning the first and second optical patterns relative to one another.

Claim 36-44 (Cancelled).

Claim 45 (New): A method of forming a pattern in a low-k dielectric material, comprising:

providing a semiconductor substrate having a low-k dielectric material thereover; providing a mold having a first pattern comprising projections and valleys between the projections;

aligning the mold and substrate relative to one another, wherein one of the semiconductor substrate and the mold has a pin associated therewith and the other of the semiconductor substrate and the mold has a receptacle, the aligning comprising mating the pin within the receptacle

after the aligning, pressing the low-k dielectric material between the mold and the semiconductor substrate to form a second pattern in the low-k dielectric material, the second pattern being substantially complementary to the first pattern; and removing the mold from over the low-k dielectric material.

Claim 46 (New): The method of claim 45 wherein the mold comprises a siloxane composition.

Claim 47 (New): The method of claim 45 wherein the mold comprises a silicone composition.

Claim 48 (New): The method of claim 45 wherein the second pattern comprises openings extending through the low-k dielectric material, and further comprising forming a conductive material within the openings.

Claim 49 (New): The method of claim 48 further comprising forming a redistribution layer within the openings of the second pattern.

Claim 50 (New): The method of claim 45 wherein the second pattern comprises shallow trenches within the low-k dielectric material and deep openings through the low-k dielectric material, and further comprising forming a conductive material within the trenches and openings.

Claim 51 (New): The method of claim 50 wherein the conductive material within the trenches and openings corresponds to at least a portion of a redistribution layer.